

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Listing of the claims**

1. (Currently Amended) A composition which is free of precursor of at least one carcinogenic nitrosamine containing at least one rubber selected from the group consisting of natural rubber, polyisoprene, polybutadiene, styrene-butadiene copolymers, styrene-isoprene copolymers, butadiene-isoprene copolymers, and styrene-butadiene-isoprene terpolymers, and capable of vulcanizing in a cold vulcanization process at a temperature between 95°C and 140°C, ~~characterized by the fact that~~ it wherein said composition comprises, as the vulcanization system:

- a) between 0.5 and 5 parts by weight of sulfur;
- b) between 0.1 and 3 parts by weight of at least one accelerator compound selected from the group consisting of benzothiazyl disulfide and mercaptobenzothiazole;
- c) between 0.2 and 3 parts by weight of at least one ultra-accelerator compound selected from the group consisting of tetrabenzylthiuram disulfide and zinc dibenzylthiocarbamate; and
- d) between 0.05 and 1 part by weight of at least one vulcanization amine activator selected from the group consisting of amines, guanidines, aldehyde and amine condensates, and quaternary ammonium salts,

wherein the amounts of compounds a, b, c, and d are calculated for 100 parts by weight of the rubber or all the rubbers.

2. (Currently Amended) [[A]] The composition according to Claim 1, ~~characterized by the fact that~~ wherein said composition contains natural rubber or a mixture of natural rubber and at least one other rubber selected from the group consisting of polyisoprene, polybutadiene, styrene-butadiene copolymers, styrene-isoprene copolymers ~~and~~, butadiene-isoprene copolymers, and styrene-butadiene-isoprene terpolymers.

3. (Currently Amended) [[A]] The composition according to Claim 1, ~~characterized by the fact that~~ wherein said composition contains at least one additive selected from the group consisting of carbon blacks, extender oils, and tackiness agents.

4. (Cancelled)

5. (Currently Amended) [[A]] The composition according to Claim ~~[[4]]~~ 1, ~~characterized by the fact that, for 100 parts by weight of the rubber or of all the rubbers,~~ wherein the amount of sulfur is between 1 and 3 parts by weight.

6. (Cancelled)

7. (Currently Amended) [[A]] The composition according to Claim ~~[[6]]~~ 1, ~~characterized by the fact that, for 100 parts by weight of the rubber or of all the rubbers,~~ wherein the amount of compound b) or all compounds b) is between 0.2 and 2 parts by weight.

8. (Cancelled)

9. (Currently Amended) [[A]] The composition according to Claim ~~[[8]]~~ 1, ~~characterized by the fact that, for 100 parts by weight of the rubber or all the rubbers~~ wherein the amount of compound c) or all compounds c) is between 0.4 and 2 parts by weight.

10. (Cancelled)

11. (Currently Amended) [[A]] The composition according to Claim [[10]] 1, ~~characterized by the fact that, for 100 parts by weight of the rubber or all the rubbers~~ wherein the amount of compound d) or of all compounds d) is between 0.1 and 0.5 parts by weight.

12. (Currently Amended) [[A]] The composition according to Claim 17, ~~characterized by the fact that it~~ wherein said composition comprises diphenylguanidine as compound d).

13. (Currently Amended) [[A]] The composition according to Claim 1, ~~characterized by the fact that it~~ wherein said composition is capable of vulcanizing in a cold vulcanization process at a temperature of between about 95°C and 115°C.

14. (Currently Amended) [[A]] The composition according to Claim 1, ~~characterized by the fact that it is intended to be used in order to connect two prevulcanized parts of rubber,~~ the composition ~~serving~~ serves as connecting rubber between ~~said parts~~ two prevulcanized parts of rubber.

15. (Currently Amended) [[A]] The composition according to Claim 14, ~~characterized by the fact that it is intended to be~~ wherein the composition is used in order to manufacture a new tire.

16. (Currently Amended) [[A]] The composition according to Claim 14, ~~characterized by the fact that it is intended to be~~ wherein the composition is used in order to repair and/or recap a worn tire.

17-21. (Canceled)

22. (New) The composition according to Claim 1, wherein compound d) is selected from the group consisting of diphenylguanidine, butyraldehyde-aniline condensate, methyl trioctylammonium chloride and cyclohexylamine.